

## **GIS-BASED RAPID POPULATION ASSESSMENT TOOL**

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SPECIFICATION

/ERC/

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### **Reference To Pending Prior Patent Applications**

This patent application also claims benefit of expired prior U.S. Provisional Patent Application Serial No. 60/449,283, filed 02/21/03 by Wei Du for CENSUSVIEW: A GIS BASED SYSTEM FOR RAPID POPULATION ASSESSMENT IN CHES (Attorney's Docket No. HDM-4 PROV).

### **Field Of The Invention**

This invention relates to systems and methods of rapidly assessing population.

### **Summary Of The Invention**

## **1 Overview (See Fig. 1)**

The product contains nine categories of core functionality. Each of the following categories comprises the underlying structure of the rapid population assessment tool:

- Project Management
- Study Boundary Delineation
- Spatially Stratified Sampling
- Population Estimation
- GIS and Mapping Tools
- GPS Communication
- Analysis Tools
- GIS Interoperability and Web Service Integration
- Worldwide Population Portal Website